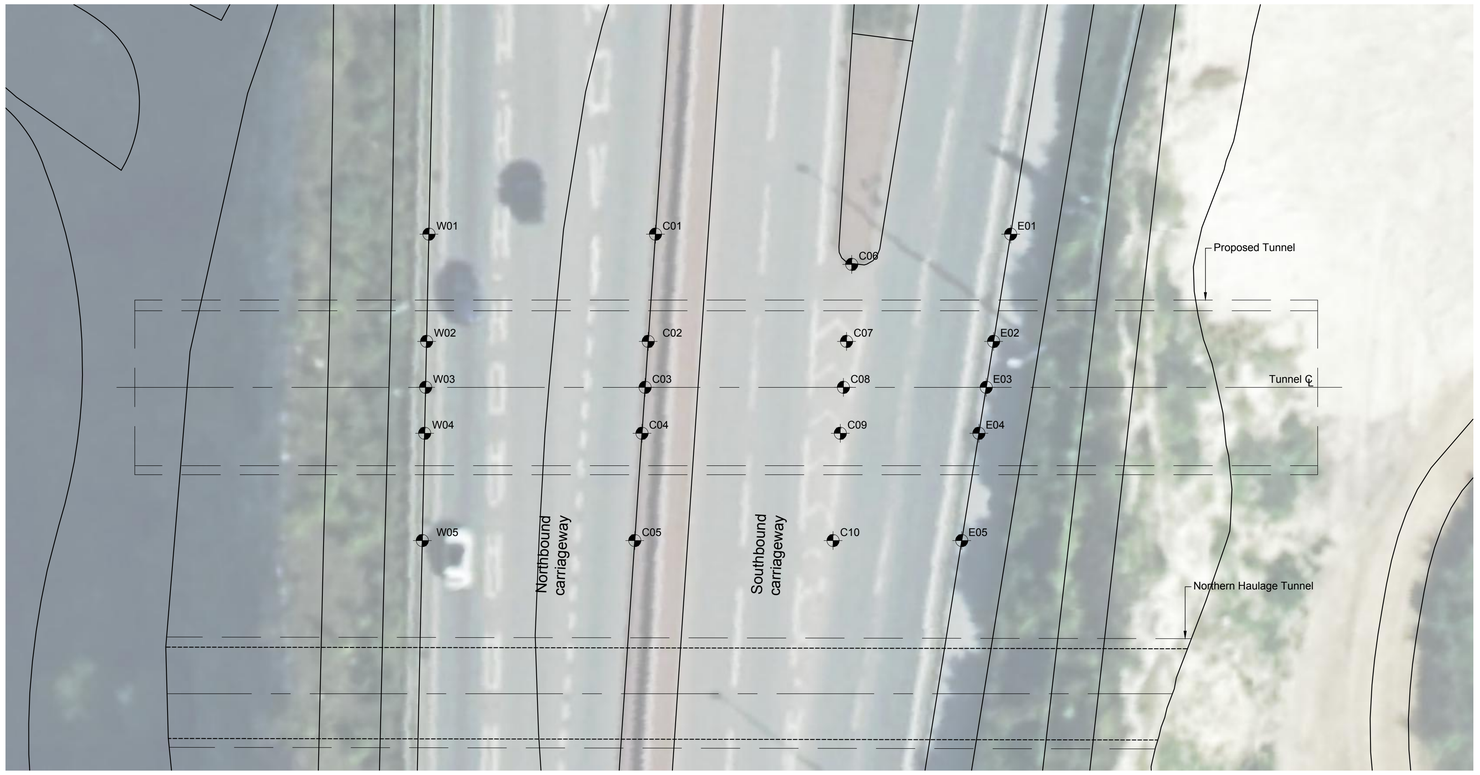
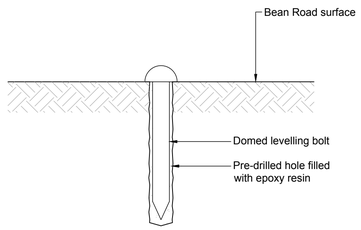


Plan 01-01
Bean Road

Scale 1:200

Setting-Out Coordinates		
ID	Easting	Northing
W01	558477.221	173510.939
W02	558476.396	173503.988
W03	558476.042	173501.008
W04	558475.688	173498.029
W05	558474.862	173491.078
C01	558491.946	558491.946
C02	558490.799	173502.590
C03	558490.307	173499.624
C04	558489.816	173496.658
C05	558488.668	173489.736
C06	558504.511	173506.313
C07	558503.687	173501.340
C08	558503.195	173498.373
C09	558502.704	173495.407
C10	558501.556	173488.486
E01	558515.032	173507.272
E02	558513.243	173500.413
E03	558512.476	173497.473
E04	558511.710	173494.533
E05	558509.920	173487.674



Detail 01
Levelling Bolt

Scale 1:1

20mm 0 20mm 40mm 60mm 80mm 100mm
SCALE 1:1

4m 0 4m 8m 12m 16m 20m
SCALE 1:200

DO NOT SCALE FROM THIS DRAWING

NOTES

1. FOR TUNNELLING SPECIFIC NOTES REFER TO DRAWING BRT-TG-XX-TU-DR-TU-7001.
2. ALL PRODUCTS / INSTRUMENTS SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. LEVELLING BOLTS (OR SIMILAR APPROVED) SHALL BE INSTALLED TO MONITOR VERTICAL MOVEMENTS OF THE BEAN ROAD.
4. LEVELLING BOLTS SHALL BE CORROSION RESISTANT DOMED METAL BOLTS WITH RIBBED SHANK FIRMLY FIXED WITH EPOXY RESIN IN CLEANED DRILLED HOLES.
5. LEVELLING BOLTS SHALL BE INSTALLED AT THE INDICATED LOCATIONS CONSIDERING AN INSTALLATION TOLERANCE OF 1 METER IN ANY DIRECTION.
6. LEVELLING BOLTS SHALL NOT BE FIXED IN LOCATIONS OR IN SUCH A MANNER THAT COULD SUBJECT THEM TO WEAR OR DISTURBANCE FROM PEDESTRIAN OR VEHICULAR TRAFFIC.
7. BASELINE READINGS OF ALL LEVELLING BOLTS SHALL BE TAKEN BEFORE TUNNEL CONSTRUCTION START.
8. THE REGULAR READING FREQUENCY DURING TUNNEL CONSTRUCTION SHALL BE 1 SET OF READINGS EVERY 24 HOURS.
9. ANY INCREASE OR DECREASE OF READING FREQUENCIES SHALL BE AGREED AT THE DAILY REVIEW MEETING.
10. MONITORING DATA SHALL BE REVIEWED AGAINST PREDICTED BEAN ROAD MOVEMENTS THROUGHOUT CONSTRUCTION TO VERIFY PREDICTED MOVEMENTS.
11. BACKGROUND MAPPING FROM BING MAPS AND IS APPROXIMATE.
12. THIS DRAWING CONTAINS THE FOLLOWING REFERENCES:
A120036_A1_Drawing_Border
OS_TQ5873
BRT-TG-XX-ZZ-M2-TU-7106
BRT-TG-XX-ZZ-M2-TU-7400

REV.	BY	CHK'D	APP'D	DATE	DESCRIPTION
P02	LCH	AFE	---	11/03/21	FOR STAGE APPROVAL
P01	LCH	AFE	---	19/02/21	FIRST ISSUE

CODE	DRAWING STATUS
S4	FOR STAGE APPROVAL

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Balfour Beatty

BEAN TUNNEL
TUNNEL AND HIGHWAY DETAILED DESIGN

TUNNELS INSTRUMENTATION AND MONITORING BEAN ROAD

SHEET 1 OF 1

RESIDUAL HAZARD	SUGGESTED CONTROL MEASURE

SIGNIFICANT RESIDUAL HAZARDS

NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.

Dr. SAUER & PARTNERS

DRAWING. No.
BRT-TG-XX-TU-DR-TU-7401

DRAWN : LCH	DESIGNED : AFE	REVISION
SCALE : AS SHOWN	ORIGINAL SIZE : A1	P02